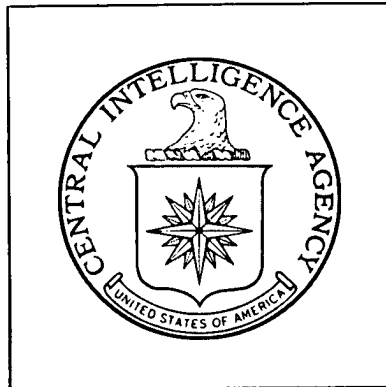


Top Secret



**DIRECTORATE OF
INTELLIGENCE**

**Industrial Facilities
(Non-Military)**

Basic Imagery Interpretation Report

Major Electric Power Plants

Hopeh Province, China

Top Secret

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RCS 13/0012/71

DATE February 1971

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report, based on late 1969 and 1970 photography, updates previous basic reporting on ten of the major electric power plants in Hopeh Province, northern China. The cut-off date for information in this report is September 1970.

Changes were observed at only one of the plants studied. At Pao-ting Thermal Power Plant, a new bank of induced-draft cooling towers, a new transformer pad and a new circuit were completed between October 1969 and June 1970.

On the latest coverage, nine of the plants were observed in operation. The Mi-yun Hydro Power Plant did not appear to be in operation.

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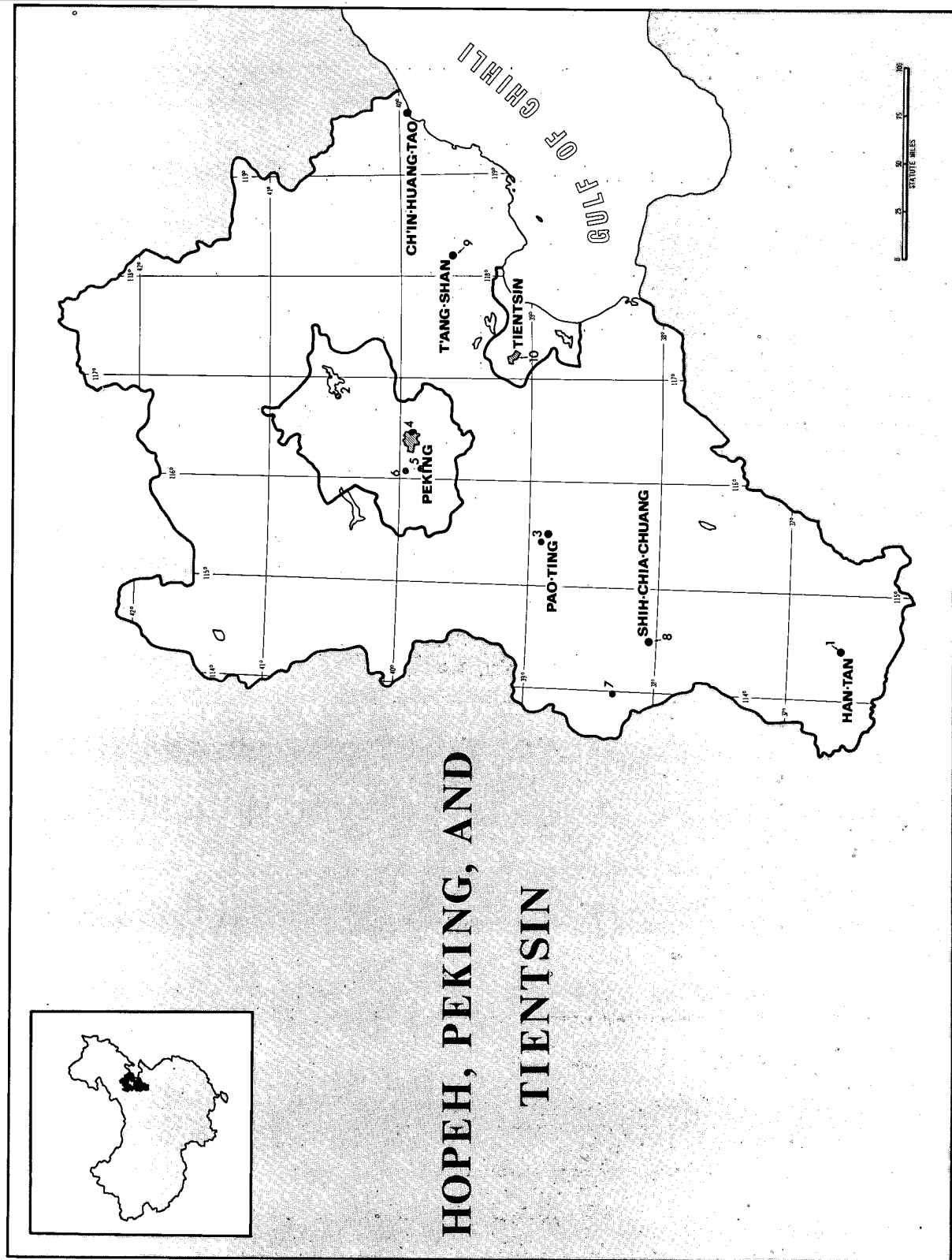


FIGURE 1. LOCATION MAP.

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25A1**INTRODUCTION**

This report presents information on the current status of ten major electric power plants in Hopeh Province and describes any changes since the previous report.

The following list of the plants studied is keyed to Figure 1.

1. Han-tan Thermal Power Plant.
2. Mi-yun Hydro Power Plant and Dam No. 1.
3. Pao-ting Thermal Power Plant.
4. Pei-ching (Peking) Heat and Thermal Power Plant No. 1.
5. Pei-ching Thermal Power Plant Chang-hsin-tien.
6. Pei-ching Thermal Power Plant Kao-ching.
7. Ping-shan Hydro Power Plant Kang-nan.
8. Shih-chia-chuang Heat and Thermal Power Plant.
9. Tang-shan Heat and Thermal Power Plant.
10. Tien-ching (Tientsin) Thermal Power Plant No. 1.

Requirement

COMIREX No 1
Support Number 421945

Document Reference

CIA. RCS-13/0021/70, Major Electric Power Plants, Hopeh Province, China,
February 1970, (TOP SECRET RUFF)

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Mi-yun Hydro Power Plant and Dam No. 1		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
50TMK857808	40-28-55N 116-49-50E	
MAP REFERENCE		
USATC, Series 200, Sheet M0289-22HL, 3rd ed, Jul 70, Scale 1:200,000		
(SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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BASIC DESCRIPTION

No changes have been observed at the Mi-yun Hydro Power Plant and Dam No. 1 since February 1969, the date of the latest photography used in the previous report.

On the latest coverage of December 1969, no turbulence was observed in the tailrace to indicate the plant was operating.

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INSTALLATION OR ACTIVITY NAME		COUNTRY	
Pao-ting Thermal Power Plant		CH	
UTM COORDINATES	GEOGRAPHIC COORDINATES		25X1
50SLU645035	38-52-37N 115-25-52E		
MAP REFERENCE			
15th RTS. USATC, Series 200, Sheet M0382-10HL, 3rd ed, Jul 67, Scale 1:200,000			
(SECRET)			25X1
LATEST IMAGERY USED		NEGATION DATE (If required)	
		NA	25X1

BASIC DESCRIPTION

Construction has been observed at the Pao-ting Thermal Power Plant since October 1969, the date of the latest photography used in the previous report. Photography of June 1970 revealed a new bank of induced-draft cooling towers south of the boilerhouse and a new circuit and transformer pad west of the boilerhouse (see Figure 2). It can now be determined that this construction was underway as early as September 1967.

The plant was operating in June 1970. Smoke was emanating from the stack, and the spray ponds were in operation.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Pei-ching Heat and Thermal Power Plant No. 1		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
50SMV550181	39-54-29N 116-28-23E	
MAP REFERENCE		
ACIC. USATC, Series 200, Sheet M0381-IHL, 4th ed. Nov 65. Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

BASIC DESCRIPTION

No changes have been observed at the Pei-ching Heat and Thermal Power Plant No. 1 since February 1969, the date of the latest photography used in the previous report.

Construction on the boilerhouse appears to be complete but the poor quality of the photography precludes confirmation of this.

The plant was operating in December 1969. Smoke was emanating from all three stacks.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Pei-ching Thermal Power Plant Chang-hsin-tien		CH
UTM COORDINATES 50SMV267074	GEOGRAPHIC COORDINATES 39-48-45N 116-08-26E	25X1
MAP REFERENCE ACIC. USATC, Series 200, Sheet M0381-IHL, 4th ed, Nov 65, Scale 1:200,000 (SECRET, [REDACTED])		
LATEST IMAGERY USED		NEGATION DATE (If required)
[REDACTED]		NA

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BASIC DESCRIPTION

No changes have been observed at the Pei-ching Thermal Power Plant Chang-hsin-tien since February 1969, the date of the latest photography used in the previous report.

The plant was operating in December 1969. Smoke was emanating from the stack and the spray ponds were in operation.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Pei-ching Thermal Power Plant Kao-ching		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
50SMV256213	39-56-16N 116-07-44E	
MAP REFERENCE		
ACIC. USATC, Series 200, Sheet M0381-IHL. 4th ed. Nov 65. Scale 1:200,000 (SECRET/		
25X1		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA
		25X1

BASIC DESCRIPTION

No changes have been observed at the Pei-ching Thermal Power Plant Kao-ching since February 1969, the date of the latest photography used in the previous report.

The plant was operating in December 1969 as indicated by smoke emanating from the two stacks.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Ping-shan Hydro Power Plant Kang-nan

CH

UTM COORDINATES

49SGN617432

GEOGRAPHIC COORDINATES

38-18-55N 113-59-50E

25X1

MAP REFERENCE

ACIC. USATC, Series 200. Sheet M0382-14HL. 3rd ed. May 67. Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at the Ping-shan Hydro Power Plant since December 1968, the date of the latest photography used in the previous report.

Turbulence observed in the tailrace in June 1970 indicated that the plant was operating. The small scale of photography of July 1970 precludes detailed analysis.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Tang-shan Heat and Thermal Power Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

50SPJ032897

39-38-50N 118-11-45E

25X1

MAP REFERENCE

USATC, Series 200. Sheet M0381-2HL. 3rd ed. Jul 70. Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at the Tang-shan Heat and Thermal Power Plant since August 1969; the date of the latest photography used in the previous report.

The plant was operating in December 1969. Heavy smoke was emanating from both stacks and vapor from the cooling towers, but dense haze precluded further detailed analysis.

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Tien-ching Thermal Power Plant No. 1

CH.

UTM COORDINATES

GEOGRAPHIC COORDINATES

50SNU189293

39-06-43N 117-13-09E

25X1

MAP REFERENCE

15th RTS. USATC, Series 200, Sheet M0381-6HL, 4th ed. Mar 70. Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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BASIC DESCRIPTION

No changes have been observed at the Tien-ching Thermal Power Plant No. 1 since February 1969, the date of the latest photography used in the previous report.

The plant was operating in December 1969. Smoke was emanating from three of the five southern and two of the three northern stacks.

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